

LXI.—*Descriptions of new Species of Lepidoptera from Tropical Africa.* By G. T. BETHUNE-BAKER, F.L.S., F.Z.S.

I HAVE continued my usual method of taking the measurements of the new species described in the following pages, viz. measuring from the centre of the thorax to the apex of the wing and doubling it.

RHOPALOCERA.

LYCENINÆ.

*Castalius anomalogramma*, sp. n.

♂. Frons pure white, collar dark grey, patagia pale grey (hoary). Both wings pure white, with blackish markings. Primaries with the base, costa, apex, and tornus blackish grey; a slight wedge-shape small mark of hoary in the basal patch; cell closed with a short dark bar; a subapical, even, curved bar from the costa to vein 3, another shorter bar shifted inwards from vein 3 to the inner margin adjoining the tornal dark area. Secondaries with basal marks showing through, terminal area broadly sooty grey, in front of which is an interrupted dark line consisting of three short stripes. Underside: primaries with a very oblique dark basal and median dash, two spots at the end of the latter; a curved subapical bar invaded by a short bar in its middle, a short bar to the inner margin below it, a subterminal fine dark line, a terminal row of dark dots. Secondaries with four basal dark bars, the subterminal interrupted line consisting of three dashes as on the upperside, followed by a fine continuous brown line, beyond which is a terminal series of black dots, ending in a black eye-spot at the tail with metallic-blue edging, followed by a similar one at the anal angle.

Expanse 24 mm.

*Hab.* Senegal.

Type in my collection.

HESPERINÆ.

*Caprona casualalla*, sp. n.

♂. Both wings greyish brown. Primaries with a median series of diaphanous spots from the costa to vein 2, gradually increasing in size; below these on the fold are two more

such spots, the upper one of the two a minute bar, the lower one a small squarish spot; in the angle of vein 3 is a small diaphanous dot; beyond these is a dark wedge-shaped mark of rough scales; a bar of four small compressed diaphanous spots is on the costa at a quarter from the apex, adjoining which (spots) is a patch of dark rough scales; termen with a pale whitish indefinite line. Secondaries with base and termen broadly russet-brown, edged respectively the one externally and the other internally with an indefinite oblique whitish line, the interspace being pale greyish brown.

Expanse 46 mm.

*Hab.* Cassualalla, N. Angola; July (*Ansorge*).

Type in my collection.

## HETEROCEA.

### Noctuidæ.

#### AGROTINÆ.

#### *Timora multistriata*, sp. n.

♂. Head and collar smoke-grey, thorax paler; abdomen yellowish grey. Legs greyish. Primaries cream-colour, with the lower half of the cell and narrowly below it crimson-red extending nearly to the termen between veins 4 and 5 and also shortly below vein 2; above and below this red stripe is a broad pearly-white stripe, that above it from the middle of the cell to the termen, that below all along the fold; vein 6 finely bordered with red above, and over this one or two fine short reddish radiations; below vein 1*a* the inner margin is broadly reddish. Secondaries silvery white, with fringes slightly pink at apex only.

Expanse 26 mm.

*Hab.* Lokoja District (100 miles north).

Type in my collection.

Allied to *T. rubristriata*, Hmps., and *T. bivittata*, Wlk.

#### *Timora unifascia*, sp. n.

♀. Head and thorax chocolate-brown, abdomen paler. Primaries chocolate-brown, with a creamy-white stripe through the outer half of the cell extending nearly to the termen between veins 5 and 6; another fine creamy line below the cell along the fold. Secondaries creamy white, termen tinged with chocolate-colour.

Expanse 31 mm.

*Hab.* Lokoja District (100 miles north).

Type in my collection.

*Adisura callima*, sp. n.

♀. Head and thorax pale dove-grey. Primaries pink, deepening into bright rose-colour along the costa and at the termen; a largish wedge-shaped patch, somewhat indefinite as to its borders, of deep straw-colour beyond the cell. Secondaries pale yellowish, deepening in tone towards the termen, which has a dusky patch below the apex.

Expanse 29 mm.

*Hab.* Malange, W. Africa; December.

Type in my collection.

*Micragrotis cinerosa*, sp. n.

♀. Head and thorax pale tawny. Primaries ash-grey, with a very fine median line, almost scalloped, from which on the fold is emitted an equally fine dark horseshoe outline; orbicular stigma finely outlined in dark brown, reniform stigma less distinctly outlined; postmedian line immediately behind the reniform, very fine and obscure, subcrenulate, followed by two rows of fine dark short dashes; a round ochreous apical patch, surrounded obscurely with reddish; termen broadly ochreous nearly to the termen, with interspersed reddish scales. Secondaries greyish white, with apex broadly pale grey, narrowing along the termen.

Expanse 27 mm.

*Hab.* Nairobi; April (*Jackson*).

Type in my collection.

## HADENINÆ.

## NEURANETHES, gen. nov.

Palpi scaled, porrect; frons roughly scaled; eyes round and large; thorax with collar spreading into a crest; patagia somewhat crest-like; metathorax crested; abdomen with no dorsal crests. Antennæ very minutely ciliated. Legs hairy. Neuration: primaries with veins 3 and 5 from near the angle, 4 from the angle, 6 from below the angle, 7 and 8 on a short stalk near cell, 9 and 10 stalked from near the cell and bent down so that 9 touches 7 but does not anastomose, 11 from the cell. Secondaries with 3 and 4 from the angle, 5 obsolescent from below the middle of the discocellulars, 6 and 7 on a short stalk, 8 anastomosing shortly with cell near base.

Type, *Neuranethes angola*, B-B.

*Neuranethes angola*, sp. n.

♂. Head and thorax dark chestnut-brown, abdomen darker brown. Primaries greyish brown, with dark brown markings; two dark marks at base, one in the cell, one above; a dark dash below the fold near the base; median area with a large dark spot on the fold, hollowed out on its inner edge and arched outwards on its exterior margin; a trace of a dark patch above it across the cell to the costa; orbicular very finely outlined; reniform large, pale, edged outwardly by a dark patch; a trace of three dark subapical spots. Secondaries pale whitish grey.

Expanse 32 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet; November (*An-sorge*).

Type in my collection.

## AGROTANA, gen. nov.

Palpi upturned, heavily scaled, second segment reaching above centre of frons, third segment minute. Frons disc-like, with a circular raised edge and small horny prominence in the centre; vertex roughly scaled, crest-like collar; patagia slightly raised like crests, otherwise thorax is uncrested; abdomen uncrested. Antennæ lamellate. Legs heavily fringed with hair. Neuration with veins 3 and 5 from near the angle, 4 from the angle, 6 from the angle; 7, 8, 9 stalked, 8 from 9 anastomosing with 10 to form the areole, 11 from the cell. Secondaries with 3 and 4 stalked, 5 obsolescent from below the middle of the discocellulars, 6 and 7 stalked, 8 anastomosing shortly from the base.

Type, *Agrotana jacksoni*, B-B.

*Agrotana jacksoni*, sp. n.

♂. Head, thorax, and abdomen ochreous grey. Primaries pale ochreous cream-colour, sparingly irrorated with slightly darker scales; median line obscure, excurved; postmedian line faint, excurved, outside the pale reniform, orbicular pale, both being obscure; subterminal line distinct, waved; termen finely dark. Secondaries pale cream-colour.

Expanse 26 mm.

*Hab.* Nairobi, B.E. Africa; March (*Jackson*).

Type in my collection.

This is a very *Agrotis*-like species.



## ACRONYCTINÆ.

*Euplexia pullomedia*, sp. n.

♂. Head and thorax mottled brownish grey, abdomen paler. Primaries: the basal area up to the waved median line having a mottled appearance, with a fine black curved line in the cell; median area dark, especially around the orbicular stigma, which is dark slate-colour; reniform stigma large and white; postmedian line waved, crenulate, area beyond this paler; a fine preterminal lunulated line, with the lunules filled in outwardly with slate-colour. Secondaries white.

Expanse 30 mm.

*Hab.* Nairobi; April (*Jackson*).

Type in my collection.

*Perigea aplecta*, sp. n.

♂. Head and thorax cinnamon-brown, abdomen somewhat paler. Primaries cinnamon-brown, with an obscure trace of a paler basal line, an equally obscure trace of a median line; orbicular stigma small, round, slightly paler than ground-colour; reniform stigma pale, distinct; postmedian line finely crenulate and waved, followed by a row more or less parallel of pale points on the veins, which are finely dark grey from the postmedian line; a subterminal waved pale line; termen darkly dotted. Secondaries pale brownish, with pinkish fringes.

Expanse 36 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet; November (*Ansorge*).

Type in my collection.

*Oligia parathermes*, sp. n.

♂. Head and collar cinnamon-brown, interspersed with dark scales; thorax darker brown; abdomen dark greyish. Primaries darkish brown, tinged with pale cinnamon along the lower margin of the cell; basal line fine, waved, double; median line somewhat excurved, postmedian line excurved beyond the reniform stigma, then receding in a bold curve; a short blackish basal line; an oblique blackish dash below vein 2, its extremity touching the blackish postmedian line; orbicular stigma small, oval, greyish; reniform darkly outlined, with white points in it; subterminal area with a trace of a pale cinnamon interrupted stripe; costa spotted alter-

nately with light and dark. Secondaries pale greyish, with darker termen.

Expanse 24 mm.

*Hab.* Entebbe, Uganda (*Jackson*).

Type in my collection.

*Diparopsis tephrogramma*, sp. n.

♂. Head pale pinkish brown, thorax greyer, abdomen creamy. Primaries pale pinkish brown, with a wedge-shaped patch of darkish grey occupying most of the cell and part of the fold; postmedian line pale, even, curved below the costa, then descending obliquely straight to the inner margin; this line is preceded by an irregular dark grey line, and is followed by a broad oblique band of dark grey. Secondaries creamy white.

Expanse 32 mm.

*Hab.* Gunnal, W. Africa; November.

Type in my collection.

*Prodenia metricodes*, sp. n.

♂. Head and thorax pale ochraceous grey, abdomen pale grey. Primaries pale ochraceous grey, with dark markings; a small darkly outlined basal spot, followed by a pale patch with dark scales on its outer edge; median dark line curved and scalloped, palely edged internally, the usual pale "*Prodenia*" mark across the cell, but less conspicuous than usual; reniform distinct, darkly outlined with pale interior edge, filled in darkly with a pale apex; postmedian line irregular, crenulate, palely edged externally, followed immediately by a pale area below vein 3; a dark patch between 3 and 5, above which is a chestnut patch; subterminal line pale dentate, area beyond this chestnut-colour; termen darkly pointed; fringes palely intersected. Secondaries pearly, with termen finely dark.

Expanse 32 mm.

*Hab.* N. Nigeria.

Type in my collection.

*Petillampa homora*, sp. n.

♂. Head, thorax, and abdomen greyish. Primaries uniform shining pale brownish grey, with an indistinct basal line and a pale postmedian line which is highly curved below the costa (almost angled), then receding slightly to the inner margin; a trace of an irregular subterminal line; reniform

stigma slightly paler, but obscure. Secondaries rather paler than primaries, but lustrous in like manner as they are.

Expanse 29 mm.

*Hab.* Nairobi; April (*Jackson*).

Type in my collection.

*Ethiopica melanopa*, sp. n.

♀. Head and thorax sooty black, abdomen grey. Primaries sooty black, with a restricted grey base darkly irrorated; reniform stigma grey, with a small grey costal spot above it; postmedian line broad, grey, very irregular, very obscured in the lower radial area; termen with pale points. Secondaries pale greyish.

Expanse 21 mm.

*Hab.* Lokoja District (100 miles north).

Type in my collection.

*Ethiopica leucostigmata*, sp. n.

♂. Head, thorax, and abdomen brown. Primaries dark brown, tinged with chocolate-colour; a small white dot at the base of the cell; orbicular stigma white, with a cream-coloured pupil having a fine dark iris; reniform white, broken up by fine dark lines into many small spots, the middle being cream-coloured; a trace of an obscure pale interrupted subterminal line; a preterminal row of fine white points. Secondaries white.

Expanse 26 mm.

*Hab.* N'Dalla Tando, 2700 feet; November (*Ansorge*).

Type in my collection.

Near to *E. polyastra*, Hmps.

*Ethiopica apicestriata*, sp. n.

♂. Head, thorax, and abdomen dark brown. Primaries dark burnt brown, with a few fine white scales below the middle of the cell and also about the lower angle of the cell; a dark, waved, subcrenulate postmedian line; a shortish, broad, oblique, buff-coloured dash from the apex to the postmedian line. Secondaries darkish brown.

Expanse 24 mm.

*Hab.* Gunnal, W. Africa; November.

Type in my collection.

GORTYNODES, gen. nov.

Proboscis absent, palpi upturned, second segment reaching

to vertex of head, thickly scaled, third segment shortish. Antennæ pectinated with cilia. Frons, lower part naked, upper part roughly scaled; head roughly scaled; collar spreading, with a central pencil crest; patagia spreading into crests; metathorax crested; abdomen smooth. Primaries with costa slightly hollowed in centre, apex weakly rounded; termen evenly rounded. Neuration: vein 3 from just before the angle, 4 from the angle, 5 from midway between angle and middle of discocellulars, 6 from upper angle, 7, 8, and 9 stalked, 10 anastomosing with 8 to form the areole, 11 free from cell. Secondaries with 3 and 4 very shortly stalked, 5 from midway between angle and middle of the discocellulars, 6 and 7 from the upper angle.

Type, *Gortynodes holophæa*, B-B.

*Gortynodes holophæa*, sp. n.

♂. Head, thorax, and abdomen darkish brown. Primaries darkish brown, with all the cell, fold, and postmedian areas darker brown up to the fine double postmedian line, leaving the costa and subterminal and terminal areas slightly paler; across the middle of the cell is a slightly paler brown band acutely angled externally and edged finely on each side with very pale brown; reniform palely edged; termen finely blackish. Secondaries palish brown, with an obscure dark spot at the end of the cell and an obscure postmedian line.

Expanse 28 mm.

*Hab.* Gunnal, W. Africa; November.

Type in my collection.

*Elydna brunneaplagata*, sp. n.

♀. Head, thorax, and abdomen dull brown. Primaries dull brown, the basal half of a mottled appearance; a trace of an irregular antemedian line; postmedian line oblique for the costal half edging the costal patch, then descending in waved crenulations to the inner margin; a large wedge-shaped, reddish-brown, subapical costal patch, with an irregular outline on its external edge; a trace of a subterminal spotted line; termen very finely cream-coloured, preceded by a fine reddish-brown line. Secondaries dull brown.

Expanse 31 mm.

*Hab.* Gunnal, W. Africa; November.

Type in my collection.

Near *E. plagiata*, Wlk.

*Elydna anictopis*, sp. n.

♂. Head and thorax dark brown, scales more or less tipped with grey, abdomen paler. Primaries dark brown; postmedian line obscure, composed of blackish points with a few interspersed grey scales; orbicular and reniform stigmata dark grey; termen with minute white points. Secondaries dirty whitish.

Expanse 30 mm.

*Hab.* N'Dalla Tando, Angola; November (*Ansorge*).

Type in my collection.

*Elydna glaucopis*, sp. n.

♂. Head, thorax, and abdomen dirty brown. Primaries dirty brown, with paler greyish-brown lines; basal line waved and obscure; postmedian line highly projected outwards beyond the cell, almost forming half a parallelogram, receding rapidly below to the inner margin; subterminal line irregular and somewhat obscure; the two stigmata show out darkly. Secondaries dirty whitish.

Expanse 26 mm.

*Hab.* Nairobi; June (*Jackson*).

Type in my collection.

This species bears a superficial likeness to *Athetis glauca*, Hmps.

*Elydna percnopis*, sp. n.

♂. Head, thorax, and abdomen greyish brown. Primaries dull brown, with an irregular antemedian dark line; postmedian dark line very irregular, strongly crenulate just below the costa; this line is preceded by a more or less cret band of dark shading; subterminal line distinct, with two bold curves; termen finely and palely pointed. Secondaries darkish grey.

Expanse 25 mm.

*Hab.* N'Dalla Tando, 2700 feet; November (*Ansorge*).

Type in my collection.

*Elydna scotopis*, sp. n.

♂. Head, thorax, abdomen, and primaries cinnamon-brown, the latter with a trace of a double basal line; antemedian line double, dark, fine, filled in with pale tawny brown, angled more or less three times; postmedian dark line strongly excurved in the upper radial area, fine, crenulate, with a pale tawny external edging; subterminal line

irregular, rather obscure; termen finely pale, with a fine dark internal edging. Secondaries whitish, with brownish costa, and terminal area slightly brownish.

Expanse 32 mm.

*Hab.* Nairobi; April (*Jackson*).

Type in my collection.

#### CIRRODIANA, gen. nov.

Proboscis present; palpi upturned, slender, well scaled, second segment reaching to vertex, third moderate. Frons well scaled; eyes large, round; antennæ of male pectinate, branches with fine cilia. Thorax clothed with scales and some hairs, crested in front; legs moderately fringed with coarse hair. Primaries with costa nearly straight, apex slightly rounded, termen moderately erect to vein 4, then rapidly rounded off, slightly scalloped. Neuration with veins 3 and 5 from near the angle, 6 from the upper angle, 9 from 10 anastomosing with 8 to form the areole, 11 from the angle. Secondaries with 3 and 4 from the angle, 5 from well above the angle fairly strong, 6 and 7 stalked, 8 anastomosing with the cell for nearly a quarter.

Type, *Cirrodivana bella*, B-B.

#### *Cirrodivana bella*, sp. n.

♂. Head and thorax pink, abdomen dirty ochreous. Primaries dull pink up to the fine, pale, deeply waved, and irregular postmedian line, with the cell pale olive; the oval orbicular and the reniform stigmata palely edged distinct olive, the latter with pink scales and a fine whitish dash in it; area beyond the postmedian line pale olive. Secondaries whitish grey, tinged with pink and olive.

Expanse 36 mm.

*Hab.* Malange, West Africa; October 1909.

Type in my collection.

#### PARALOPHATA, gen. nov.

Proboscis absent. Palpi porrect, small, second segment not reaching a quarter up frons, scaled, end segment minute, depressed; frons scaled, prominently rounded; no corneous plate; eyes round, moderate size; antennæ of male bipectinate, female shortly bipectinate; collar long, spreading into a crest; abdomen with no dorsal crests; tibiæ hairy. Primaries broad, apex rounded, almost acute in the termen; termen strongly scalloped, rounded, excavated on fold to the

tornus. Neuration: primaries with vein 3 almost waved, rising near the angle, 4 from the angle, 5 from above the angle, highly depressed for its basal third, 6 practically from the upper angle; 7, 8, 9, and 10 stalked, 7 at a third between angle and apex, 10 at a half, 8 and 9 near apex; 11 free from cell. Secondaries with 3 and 4 from the angle, 5 from below the middle of the discocellulars fairly strong, 6 and 7 stalked, 8 anastomosing shortly near cell.

Type, *Paralophata ansorgei*, B-B.

*Paralophata ansorgei*, sp. n.

♂. Head and frons tawny, collar lemon-yellow, palpi tawny, thorax lemon-yellow, patagia tipped with tawny. Primaries lemon-yellow, base of costa with a short brown dash; a broad short dash occupying the inner margin below vein 1*a* at the base, a small brown dot in the middle of the cell, with another below it on the fold; a trace of two dots closing the cell; a fine interrupted postmedian line angled outwardly below the costa and waved, followed closely by a second precisely similar line; termen and terminal area occupied by a largish irregular brown patch barely extending to the apex or tornus. Secondaries dirty straw-yellow, with terminal area broadly slightly darker.

♀. Exactly like the male.

Expanse, ♂ 42, ♀ 50 mm.

Hab. N'Dalla Tando, 2700 feet; November (*Ansorge*).

Types in my collection.

*Phalerodes pulchra*, sp. n.

♂. Head and thorax lavender-grey, thorax with creamy patagia and dark lavender-grey metathorax; abdomen greyish. Primaries with costa broadly lavender-grey, broadest in centre, tapering off towards the apex; reniform pinkish grey, with a double pale pinkish cream-coloured spot below it; upper part of fold and lower radial area very pale olive-grey, lower part of fold pinkish ochreous, inner margin with a double fine dark line on its outer half; upper radial area cream-colour, bordered on its lower edge at vein 4 by a double, dark, quite straight line. Secondaries pearly white.

Expanse 30 mm.

Hab. N'Dalla Tando, 2700 feet; October (*Ansorge*).

Type in my collection.



*Ramesodes nycteris*, sp. n.

♂. Head, thorax, and abdomen dull brown. Primaries dark madder-brown, with the lower edge of the cell rather paler, extending in two palish rays along veins 4 and 5 to the termen; postmedian line palely edged, receding very rapidly from vein 4 to below 2, then descending to the inner margin in an erect double scallop; costa to vein 6 from the end of the cell to the apex dark slate-grey; subterminal area below this paler brown to the pale ray. Secondaries: basal half white, outer half dark grey.

Expanse 34 mm.

*Hab.* Malange, W. Africa.

Type in my collection.

*Phragmatiphila connexa*, sp. n.

♂. Head, thorax, and abdomen brown. Primaries clear brown, with a fine, dark, irregular basal line; median line fine, very irregular, projected outwards on the fold; orbicular and reniform stigmata pale and distinct; postmedian line obscure, very fine, crenulate, the area from the median to the postmedian line somewhat darker brown; a fine cream-coloured subterminal line, distinct in the tornal area, evanescent as it approaches the apex; this line is surrounded by a somewhat darker stripe of brown; termen with fine dark scallops. Secondaries pale brown.

Expanse 34 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet; November (*Ansorge*).

Type in my collection.

*Acrapex brunneosa*, sp. n.

♂. Head, thorax, and abdomen dirty greyish brown, legs and pectus the same colour. Primaries dirty greyish brown, with a broad paler area both along the fold and in the cell, the latter increasing in width slightly and ascending to the apex; end of cell marked by a pale small angled spot, beyond which is a dark dotted line slightly oblique and waved; an obscure line of dark shading near the termen roughly parallel with the dotted line; termen with fine dark internervular dashes. Secondaries uniform sooty grey.

Expanse 24 mm.

*Hab.* N'Dalla Tando, 2700 feet; November (*Ansorge*).

Type in my collection.

*Acrapex ochracea*, sp. n.

♂. Head and thorax tawny ochraceous, abdomen ochreous grey. Primaries dirty ochreous, with a paler streak in the cell ascending up to the apex, the outer edge of the ascending portion with a row of several blackish dots; median vein irrorated with dark scales; termen with fine dark internervular dashes. Secondaries whitish grey for the basal half, slightly darker towards the termen.

Expanse 27 mm.

*Hab.* Nairobi; June (*Jackson*).

Type in my collection.

*Sesamia mediastriga*, sp. n.

♂. Head and thorax deep creamy ochreous; abdomen greyish ochreous. Primaries ochreous, very finely irrorated more or less with grey; a trace of a darker line of scales along the median vein; cell closed by a fine dark dash, succeeded by a dark dot; a trace of a postmedian series of obscure dark dots; termen finely dark, preceded by an indefinite area of slightly darker shading than the ground-colour. Secondaries pure white.

Expanse 31–32 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet.

Type in my collection.

*Enispa acutalineata*, sp. n.

♂. Head whitish, thorax grey, abdomen paler. Primaries whitish, with a broad, median, dark grey erect dash, not extending to the costa; two black points at end of cell; a dark grey postmedian line, oblique and deeply angled about vein 7, followed by a second finer one; from base up to the termen the ground is greyish, somewhat mottled and clouded except between veins 3 and 4, where there is a small whitish terminal patch. Secondaries dusted with grey; a dark small spot in the cell, just beyond which is a dark brown waved line, followed by a second finer one, the area beyond this being entirely dusted with pale tawny grey.

Expanse 27 mm.

*Hab.* Malange, W. Africa; November.

Type in my collection.

## ENISPADES, gen. nov.

Proboscis of moderate size; palpi upturned, reaching

beyond the middle of the frons, scaled; third segment short, frons roughly scaled; eyes round, prominent; antennæ almost simple, a trace of very short fine cilia near base; tibiæ not hairy; spurs long. Primaries with apex produced and acute, termen produced at vein 4. Neuration with veins 3 and 5 from near angle, 6 from just below upper angle; 7, 8, and 9 stalked; 10 from cell, with a bar to 8 forming a longish areole; 11 free from cell. Secondaries with veins 3 and 4 from the angle, 5 from well above the angle, 6 and 7 from the angle, 8 bent down to touch cell, anastomosis not quite complete.

Type, *Enispades angola*, B-B.

*Enispades angola*, sp. n.

♂. Head, thorax, and abdomen ochreous grey. Both wings ochreous grey, with a trace of a pink tinge, with darker grey markings. Primaries with a trace of a median line; a large grey spot at end of cell, sometimes only present in outline; postmedian line oblique, deeply and obtusely angled below the costa, followed directly by a second very fine similar line; a row of subterminal fine dots roughly parallel with the termen, which latter has fine blackish points. Secondaries with a waved postmedian line, followed by a second fine one; a trace of a row of subterminal dots as in the primaries.

Expanse 21 mm.

*Hab.* N'Dalla Tando, 2700 feet; December (*Ansorge*).

Type in my collection.

*Enispades nigropunctata*, sp. n.

♂. Palpi sooty black; head and thorax whitish; abdomen grey. Both wings whitish, with dark markings. Primaries with a blackish spot at the base of the costa, followed by a second further along; a fine dark angled median line, ending in the second costal spot; a bare trace of a postmedian line, followed by a crenulate line with blackish points, between which and the tornus the fold is darkly dusted; termen finely dark, with a small triangular patch between veins 4 and 7; fringe white, with black intersections. Secondaries with the area beyond the middle greyish; termen with dark dashes; fringe whitish.

Expanse 21 mm.

*Hab.* N'Dalla Tando, 2700 feet; November (*Ansorge*).

Type in my collection.

*Eublemma brunneosa*, sp. n.

♀. Head, thorax, and abdomen cinnamon-brown. Primaries: basal third cinnamon-brown, terminated by a broad defined band of dark velvety brown right across the wing, and tapering off from the lower end of the cell to the costa; reniform deep blackish brown; this is followed by a pale grey, fine, exangled postmedian line (the angle being filled in with mottled cinnamon-brown), edged indefinitely with darkish tawny brown, which continues up to the termen and in which is a fine, grey, waved subterminal line; fringes grey, the outer half being paler than the inner half. Secondaries warm brown, broadly darker in the terminal area.

Expanse 18 mm.

*Hab.* Nairobi, B.E. Africa (*Jackson*).

Type in my collection.

*Eublemma bicolora*, sp. n.

♂. Head, thorax, and abdomen ochreous. Primaries ochreous, with a broad, irregular, brown median area, the costal part being invaded by the pale reniform, beyond which is a costal wedge-shaped brown patch; termen finely brown. Secondaries darkish grey.

Expanse 18 mm.

*Hab.* Nairobi, B.E. Africa (*Jackson*).

Type in my collection.

*Eublemma crenularia*, sp. n.

♂. Head tawny ochreous, thorax and abdomen paler ochreous. Primaries greyish ochreous, with tawny grey marks; a deeply crenulate antemedian pale line, followed by a similar median line, neither extending below the cell, the interspaces being filled in with greyish; a deeply excurved and highly crenulate postmedian double tawny line, the narrow interspace filled in with pale grey, the reniform being occupied by an indefinite tawny patch; apical area pale grey, the costal portion having four dark short tawny dashes. Secondaries brownish grey.

Expanse 19 mm.

*Hab.* Malange, Portuguese W. Africa; October.

Type in my collection.

*Eublemma basiplagata*, sp. n.

♂. Head, thorax, and abdomen dull brown. Primaries

with base very restricted greyish brown, terminated in a very irregular fine dark line, from whence up to beyond the cell the colour is dark brown, terminating abruptly and obliquely; area beyond this pale brown; there is a trace of a very dark dash in the middle of the cell, and the reniform is similarly outlined. Secondaries greyish brown.

Expanse 22 mm.

*Hab.* Gummal, W. Africa; November.

Type in my collection.

*Eublemma nyctopa*, sp. n.

♂. Head and thorax sooty grey, abdomen paler. Primaries sooty brown, with a subbasal double dark line, the outer line being arched outwards and forming with the inner line an incomplete **D** mark; median line fine, dark, twice-angled, followed closely by a second similar and parallel line; termen finely dark. Secondaries pale grey.

Expanse 20 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet; October (*An-sorge*).

Type in my collection.

*Eublemma scotopis*, sp. n.

Head, thorax, and abdomen dark madder-brown. Primaries dark madder-brown, basal half very dark, ending irregularly, outer half greyer in the postmedian area, but becoming very dark towards the termen; fringes pale grey. Secondaries dark, somewhat similarly divided as the primaries.

Expanse 28 mm.

*Hab.* Lokoja District (100 miles north).

Type in my collection.

*Eublemma nigribasis*, sp. n.

♂. Head, thorax, and abdomen dark brown. Primaries with basal third blackish brown, terminal two-thirds creamy, the terminal area being broadly mottled dusky. Secondaries dark grey.

Expanse 20 mm.

*Hab.* Malange, Portuguese W. Africa; November.

Type in my collection.

EUBLEMMARA, gen. nov.

Palpi thickly scaled, second segment reaching up to vertex;

end segment short, also scaled; antennæ minutely ciliate; frons not prominent, scaled; proboscis poorly developed. Neuration: primaries with veins 3 and 5 from near angle, 4 from the angle, 6 and 7 free from the cell, 8 and 9 stalked on a long stem; a bar from 10 to 9 to form the areole; 11 from cell. Secondaries with 3 and 4 from the angle, 5 from directly above the angle, 6 and 7 from the upper angle, 8 anastomosing with cell shortly at base. Legs: mid tibiæ with one pair of long spurs, hind with two pairs of long spurs.

Type, *Eublemmara tandoana*, B-B.

*Eublemmara tandoana*, sp. n.

♂. Head and thorax blackish brown, abdomen paler. Primaries uniform blackish brown, with a single creamy spot at the end of the cell. Secondaries sooty grey.

Expanse 18 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet; November and December (*Ansorge*).

Type in my collection.

*Metasada fuliginaria*, sp. n.

♂. Head and thorax very dark purplish brown, abdomen paler. Primaries dark purplish brown, with a broad, irregular, darker antemedian stripe, followed by a similar uneven median stripe; postmedian line dark, angled several times; an irregular indefinite subterminal stripe of dark shading; termen darkly pointed; a small pale spot at the end of cell. Secondaries dark sooty grey.

♀. Exactly like the male.

Expanse, ♂ 20, ♀ 24 mm.

*Hab.* Gunnal, Portuguese W. Africa; November.

Types in my collection.

*Corqatha arcuata*, sp. n.

♂. Head, thorax, and abdomen ochreous grey. Primaries ochreous grey, with very fine dusting of darker grey; a blackish dot in the cell; a broad tapering blackish median dash from the inner margin to the upper angle of the cell, edged outwardly by a broad oblique band of ochreous grey up to the costa; a bright cream curved subterminal line from the apex to the inner margin, edged on each side with dark brown; beyond the outer edging a broad indefinite band of dark shading; termen with internervular dark dots. Secondaries creamy, with a trace of two median short lines; an

oblique broad dark subterminal line, preceded by a finer one and succeeded by a broad band of darkish shading; termen with a fine dark line.

Expanse 22-26 mm.

*Hab.* Nairobi, B.E. Africa; July (*Jackson*).

Type in my collection.

*Ozarba epimochla*, sp. n.

♂. Head, thorax, and abdomen greyish brown. Primaries greyish brown, with a wavy median dark stripe and a similar postmedian one; there is also a trace of a basal stripe; the postmedian stripe is broad and indefinite as to its outer area; a trace of a pale scalloped line on the termen. Secondaries dark grey.

Expanse 22 mm.

*Hab.* Lokoja District (100 miles north).

Type in my collection.

*Xanthograptia brunneaplagia*, sp. n.

♂. Head, thorax, and abdomen ochreous grey. Primaries ochreous grey, with a trace of a broad darker median area up to the cell, the area in the cell and up to the costa between the position of the orbicular and reniform stigmata filled in with dark brown, darkest in the cell; a subapical similar-coloured costal patch; a trace of a subterminal pale line. Secondaries very pale grey.

Expanse 23 mm.

*Hab.* Gurnal, Portuguese W. Africa; November.

Type in my collection.

*Eustrotia loxosema*, sp. n.

♂. Frons greyish; thorax ochreous mixed with grey; abdomen ochreous. Primaries with base and median area ochreous, greyish on the costa, bordered obliquely up to the apex by a pale stripe, which is edged by a broad wedge-shaped mark of lilac-grey; beyond this the whole of the area is darkly clouded, leaving the tornus paler than the rest of this area. Secondaries dirty grey.

Expanse 18 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet; November (*Ansorge*).

Type in my collection.

*Eustrotia cumalineae*, sp. n.

♂. Head, thorax, and abdomen ochreous grey. Primaries



pinkish grey mixed with olive in parts, especially below the cell; the postmedian area beyond the cell has a radiated appearance; subterminal line pale, waved, bent back below the apex and receding basewards below the costa to about the end of the cell, followed by two faint lines in a pale area, which is bordered by a grey stripe, edged first finely with creamy and then with olive; the cell is closed by a fine dark dash. Secondaries pale grey, darker towards the termen.

Expanse 24 mm.

*Hab.* Nairobi, B.E. Africa; March.

Type in my collection.

*Eustrotia bella*, sp. n.

♂. Head and thorax madder-grey, abdomen tawny ochreous. Primaries with the basal and median area reddish ochreous, edged by a more or less wedge-shaped mark of madder-grey, which is finely edged all round except on the inner margin with white; from this line the whole of the terminal area is dark purplish grey, with two more or less distinct eye-spots, one at the tornus and one in the upper radial area; the tornal spot is indistinct and grey, the radial one is pinkish ochreous on the left wing and greyish on the right wing, the apex being tipped with dark chocolate, edged below with white. Secondaries brownish grey.

Expanse 16 mm.

*Hab.* Gunnal, Portuguese W. Africa; October.

Type in my collection.

This species is near *E. lorosema*, but the shape and colour of the basal area and the markings of the terminal area are different.

*Cardiosace citreolinea*, sp. n.

♂. Head, frons, and thorax pure white, abdomen greyish. Primaries pure white, with a median curved citron-yellow line having a grey spot on its inner edge on the inner margin, and another small grey spot nearer the base in the cell, two grey spots in the cell beyond the median line; postmedian line citron-yellow, excurved in the upper radial area, beyond this line the area is lead-grey with a deep reddish apical spot, and some citron-yellow on the termen in the tornal area; termen finely dark with a fine white inner edging. Fringes whitish. Secondaries white, with apex greyish.

Expanse 20 mm.

*Hab.* N'Dalla Tando (Angola), 2700 feet; November  
(*Ansorge*).

Type in my collection.

A common and very uniform species.

*Cardiosace callima*, sp. n.

♂. Head, thorax, and abdomen pure white. Primaries pure white, with a median exangled lemon-yellow line, beyond which are two grey spots, one in the cell and one beyond it; inner marginal area from median line into tornus very broadly (nearly half the width of wing) lead-grey clouded with olive; terminal area very broadly lead-grey and much interspersed with olive, a rectangular broad dash of deep olive from the spot outside the cell runs into the terminal area; termen white, darkly spotted between the veins. Secondaries pure white.

Expanse 24 mm.

*Hab.* N'Dalla Tando (Angola), 2700 feet; November  
(*Ansorge*).

Type in my collection.

*Tarache anomoiota*, sp. n.

♂. Head and thorax whitish, abdomen ochreous. Primaries whitish in the basal area, with a small blackish costal spot near the base; median area blackish arched outwardly on its inner margin, edged outwardly by an oblique white irregular line; a wedge-shaped patch of white in the postmedian costal area up to the apex, the rest of the wing very dark brownish grey, with a small white spot at the tornus. Fringes blackish slightly tessellated with white. Secondaries pale transparent grey, darker towards the apex.

Expanse 24 mm.

*Hab.* Gurnal, Portuguese W. Africa; November.

Type in my collection.

*Tarache variegata*, sp. n.

♀. Head pale grey, thorax and abdomen brownish grey. Primaries with the base grey, terminated by an irregular and angled white line; median area dark grey, paler on the fold, with the reniform stigma distinct, encircled with white on its outer margin, from the reniform an oblique whitish dash to the apex; postmedian line very irregular, white, beyond which the area is darkish grey, the subterminal line, which

is very irregular, is white at the apex and tornus and dark between. Secondaries dark grey.

Expanse 24 mm.

*Hab.* Malange, Portuguese W. Africa; November.

Type in my collection.

*Tarache nephata*, sp. n.

♀. Head, thorax, and abdomen olive-grey, metathorax tipped with creamy. Primaries with the basal area to two-thirds along the costa, and a fifth along the inner margin, olive-grey, somewhat mottled with an antemedian paler line, this area is edged by an oblique broad white irregular band, which is again edged irregularly by dark olive-grey, but not extending to the costa, the rest of the wing is purplish grey with a trace of a postmedian line strongly excurved in the upper radial area; subterminal line irregular, composed of reddish uneven spots edged outwardly by a fine creamy line; termen darkly dotted. Fringes grey, whitish in the lower radial area. Secondaries dark brownish grey, with whitish-grey fringes.

Expanse 28 mm.

*Hab.* Lokoja District (100 miles north).

Type in my collection.

*EUTELIANÆ.*

*Eutelia malanga*, sp. n.

♂. Head and thorax lilac-grey. Both wings grey tinged with lilac. Primaries with an oblique deep purple-brown short dash on the inner margin near the base, behind which the ground is darker followed by a broad deeply curved cream-coloured mark across the fold, this is edged above by a deep purple-brown curved stripe to the termen, apex and termen creamy colour to this stripe, as also slightly below it tapering into the tornus, where there is a small deep brown mark.

Expanse 26 mm.

*Hab.* Malange, Portuguese W. Africa.

Type in my collection.

Near *E. leucodelta*, Hmps.

*Eutelia adoxodes*, sp. n.

Head, thorax, and abdomen brownish grey. Both wings greyish brown. Primaries with a darker median area, edged

laterally by obscure still darker lines, subterminal area slightly darker than the median area, with a subapical costal dark small patch palely edged.

Expanse 34 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet; November (*Ansorge*).

Type in my collection.

#### STICTOPTERINÆ.

##### *Gigantoceras adorodes*, sp. n.

♂. Head, thorax, and abdomen greenish grey. Primaries greenish grey, with basal area darker and edged by the antemedian fine dark line, a fine dark serrate line crosses the wing at the end of the cell; apical area darkly clouded, a trace of a subterminal line of cream-colour fairly distinct in the lower radial area and shifted inwards on the fold; a terminal series of dark lunules edged internally with cream-colour. Secondaries grey at base, dark grey for the terminal half.

Expanse 34 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet; October (*Ansorge*).

Type in my collection.

#### SARROTHRIPINÆ.

##### *Plotheia ianthina*, sp. n.

♂. Head and thorax lilac-grey, abdomen grey. Primaries lilac-grey for the central half, getting tawny towards the fold; a dark tawny, angled, incomplete, antemedian line not extending into the fold; a tawny postmedian irregular line palely edged, which edging is followed by a grey line; reniform stigma tawny, beyond this the apical area is silvery lilac-grey, and the tornal area tawny. Secondaries pure white.

Expanse 22 mm.

*Hab.* Gunnal, Portuguese W. Africa.

Type in my collection.

#### LOPHOTAGONIA, gen. nov.

Palpi with end segment long and porrect; antennæ with very minute cilia, nearly simple. Hind leg with tibial spines almost as long as the tibiæ, arising from near the femoral joint. Neuration: primaries with veins 3 and 5

from near the angle, 4 from the angle, 6 from the upper angle, 7 highly arched near the cell, a short obsolescent bar from 8 to form the long arcole, 8, 9, and 10 stalked, 8 and 9 close to the apex, 10 at a third from the cell, 11 from the cell. Secondaries with 3 and 4 from the angle, 5 absent, 6 from the angle, 7 from the cell, 8 anastomosing shortly with the cell. Secondaries with anal angle distorted and emitting a strong tuft of curly hairs.

Type, *Lophotagonia bostrycodes*, B-B.

*Lophotagonia bostrycodes*, sp. n.

♂. Head and thorax whitish grey, abdomen darker grey. Primaries with basal two-thirds whitish, terminal third lilac and ochreous grey; an interrupted fine dark basal line sharply serrate on the costa; median line fine, very irregular, postmedian line more irregular, very oblique for the costal third, the fold between these two lines filled in with grey; a fine, serrate, irregular, white subterminal line in the darker area, apex with a small dash of white. Fringes intercepted with grey. Secondaries white for the basal two-thirds, grey for the apical third, anal tuft black.

Expanse 22 mm.

*Hab.* Gunnal, Portuguese W. Africa; November.

Type in my collection.

CATOCALINÆ.

*Chalciope cumamita*, sp. n.

♂. Head and thorax pinkish grey; collar barred with darker ochreous grey, abdomen grey. Primaries grey, tinged with lilac in parts; costa darker grey, a broad scimitar-shaped dark velvety-brown dash edged with cream-colour in the fold, above the end of it another short pale dash, finely edged first with dark brown then with cream-colour; into this, nearer the base, runs another similar but paler dash; postmedian area composed of a series of oblique very fine wavy lines, edged externally by a broad stripe of olive-brown, shortly but deeply excurved at its centre and edged internally with cream-colour, beyond this the termen is clouded and with several wavy lines, a subterminal very fine dark line; termen finely cream-colour. Secondaries cream-colour, terminal third dark grey; termen finely whitish, crenulate.

Expanse 39 mm.

*Hab.* Elburgon Railway Station, B.E. Africa; July.

Type in my collection.

*Aedia xanthophaës*, sp. n.

♂. Head and thorax dirty grey. Primaries yellowish cream-colour, with a basal interrupted indefinite black dash on the fold; costa very finely blackish, a subbasal blackish spot; median line black, wavy, very fine, followed by a second more obscure one just in front of the reniform stigma, which latter is pale and obscure. Postmedian line dark grey, subcrenulate, excurved in the upper radial area; beyond this line the area is greenish grey, with a subterminal row of fine obscure spear-head spots, and a short fine black dash between veins 3 and 4; termen finely black and deeply crenulate. Secondaries with the basal half white, the outer half blackish.

Expanse 34 mm.

*Hab.* Gummal, Portuguese W. Africa; November.

Type in my collection.

*Aedia melanophaës*, sp. n.

♂. Head, thorax, and abdomen dark slate-grey. Primaries very dark slate-grey; median line black, fine, trebly exangled, immediately followed by a fine black figure 3 in the centre of the wing; reniform large, slightly tawny at its external side, finely edged with black; postmedian line sharply defined, crenulate, black, receding basewards below vein 3, the least trace of a subterminal line, dark internally, tawny externally; termen finely blackish. Secondaries with the basal portion white, costa and terminal half sooty grey.

Expanse 38 mm.

*Hab.* Gummal, Portuguese W. Africa; November.

Type in my collection.

*Aedia iridocosma*, sp. n.

♂. Head ochreous grey, collar darker grey with an ochreous reniform mark on each side darkly encircled; thorax ochreous grey, with darker grey patagia; abdomen dark grey. Primaries tawny with grey areas, median line irregular dark brown; cell grey up to this line, fold grey between this and the postmedian line; reniform ochreous grey, postmedian line crenulate, oblique, dark brown; postmedian area lilac-grey with fine deep chocolate-brown spear-head marks, each side of which is broadly edged with olive-grey; termen with dark chocolate-brown internervular spots. From the median dark line there is an elliptical olive mark darkly

encircled above the grey area on the fold, and connected with the postmedian line by a dark dash. Secondaries with basal area white, outer half blackish. Fringes white at apex and anal angle dark in lower radial area.

Expanse 34 mm.

*Hab.* Entebbe, Uganda (*Jacks m.*).

Type in my collection.

This possibly may be a form of *A. discistriga*, Walk., but it is so very different in general appearance that I think it must be distinct.

*Remigia alypophanes*, sp. n.

♂. Head and thorax pinkish ochreous, abdomen greyish ochreous. Primaries clear pinkish ochreous, the terminal third being darkly suffused; median line grey palely edged internally, nearly erect; postmedian line subcrenulate, produced outwards behind the lead-grey reniform; subterminal line angled sharply below the apex, decidedly curved inwards on each side of the angle; termen crenulate, deeply pointed. Secondaries straw-colour, with the terminal third blackish brown.

♀. Like the male, but the primaries are greyish, not pink.

Expanse, ♂ 38, ♀ 34 mm.

*Hab.* Senegal.

Type in my collection.

*Baniana glyphica*, sp. n.

♀. Head and thorax pale chocolate-grey, abdomen dark grey. Primaries pale chocolate, a trace of an antemedian line expanding on the fold into an irregular patch of deep brown palely edged; postmedian line fine, dark, edged with creamy, expanding at the end of the cell into a reniform large spot of deep brown palely edged; orbicular represented by a dark dot palely edged; beyond the reniform is a broad serrate stripe of olive-grey between veins 3 and 7; termen crenulate with dark internervular points. Secondaries grey, dark for the terminal third.

Expanse 40 mm.

*Hab.* Malange, Portuguese W. Africa; November.

Type in my collection.

*Baniana oxyprora*, sp. n.

♂. Head, thorax, and abdomen greyish brown, with a



proximal tuft of very dark brown. Primaries brownish grey, with a very large dark brown patch palely edged, occupying all the central part of the wing to the inner margin and sharply prowed about vein 2; termen finely dark, with a fine cream inner edging. Secondaries brownish.

Expanse 37 mm.

*Hab.* Lokoja District (100 miles north).

Type in my collection.

*Baniana eucrines*, sp. n.

♂. Head, collar, and prothorax bright chestnut-colour, thorax and abdomen ochreous grey. Primaries ochreous, with a somewhat wedge-shaped median area of dark brown, oblique on its inner margin and shortly toothed at the upper margin of the cell, the outer margin being somewhat waved and also angled as the inner margin, thus making a short top bar of a **T** to the mark; the orbicular shows as a very dark small spot palely edged, and the reniform is olive-brown beyond the wedge mark, a small half-ovate olive subapical costal patch; termen and fringe pale olive-brown, indefinite as to its inner boundary. Secondaries pale clear straw-yellow.

Expanse 31 mm.

*Hab.* Northern Nigeria.

Type in my collection.

*Baniana pannicta*, sp. n.

♂. Head, collar, and prothorax olive-brown, abdomen dark grey. Primaries pale lilac-grey, with the terminal area paler and less lilac; median area olive-brown, edged on each side by a pale line, the costal area down to vein 3 being produced well outwards into the postmedian area, the part near the end of the cell is paler than the rest; a small olive-brown cloud on the costa before the apex. Fringes olive-brown. Secondaries dirty grey.

Expanse 32 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet; November (*Ansorge*).

Type in my collection.

*Iluza egcarsia*, sp. n.

♂. Head, thorax, and abdomen pale coffee-brown. Both wings pale coffee-brown, with a dark, very oblique stripe running from the apex almost continuous through each wing. A small spot at the end of the cell in the primaries.

Expanse 37 mm.

*Hab.* Gunned, Portuguese W. Africa ; November.

Type in my collection.

*Labanda malachitis*, sp. n.

♂. Head and thorax greenish, with golden-yellow bars on the frons. Primaries dark sage-green, with a dark grey basal patch on the inner margin, terminated by the interrupted antemedian black line ; median line finely black, interrupted, and angled, beyond which the ground is strongly suffused with grey ; postmedian line finely black, irregular, deeply and continuously dentate, edged externally by a pale green line ; subterminal line irregular, highly dentate, pale green, some dentations extending into the termen ; cell closed by a whitish spot, pupilled with black, and having a small black spot above it ; fringes with black spots. Secondaries dark sooty grey.

Expanse 40 mm.

*Hab.* Uganda ; August (*Jackson*).

Type in my collection.

*Antarchæa rhodopa*, sp. n.

♀. Head and collar pinkish grey, thorax pink. Primaries with the costa finely pink, upper portion of the wing dull ochreous, including all the cell, at the end of which it gradually tapers off to the apex, all the rest of the wing pink ; termen finely ochreous, invading the pink to about vein 3 ; fringes pink. Secondaries cream-colour, with a greyish area between the cell and the apex.

Expanse 29 mm.

*Hab.* Elburgon Railway Station (Uganda Railway) ; July.

Type in my collection.

RIVULANA, gen. nov.

Palpi upturned, shortly scaled, and with short hairs on the upperside, second segment reaching above the vertex, end segment minute ; patagiæ very long and crest-like ; antennæ fasciculate. Fore legs deeply fringed with hair to the tarsus. Wings with costa hollowed at first, then produced upwards in a strong arch, slightly depressed at apex, which is subacute on the termen but produced forward at the tornus. Nervation : primaries with vein 2 from near middle of cell, 4 from the angle, 5 from just above the angle, 6 from below the angle ; 7, 8, and 9 stalked ; 8 and 9 on a very long stalk

quite close to the apex; 10 and 11 from the cell, the former arched upwards towards 11 at the base. Secondaries with 3 and 4 shortly stalked, 5 from just above the angle, 6 and 7 stalked, 8 shortly anastomosing at the base with the cell.

Type, *Rivulana ochrea*, B-B.

*Rivulana ochrea*, sp. n.

♂. Head, thorax, abdomen, and primaries uniformly creamy ochreous. Primaries with the reniform stigma dark and a small blackish dash on the costa directly in front of the apex; termen with black points. Secondaries pale greyish brown.

Expanse 25 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet; October (*Ansorge*).

Type in my collection.

*Auchenisa callipona*, sp. n.

♂. Head and frons whitish; collar whitish mixed with green, with a horizontal bar of blackish; palpi and proximal part of pectus black, rest of pectus pure white; thorax whitish, with a slight mixture of green; two black spots on the prothorax (one on each side); abdomen blackish grey, with whitish segmental divisions. Primaries white, largely covered with sage-green scales; a small basal black spot; antemedian line black, interrupted; median line black, strongly dentate, and edged externally with pure white; area between these two lines green; postmedian line black, crenulate, and dentate, edged more or less on each side with white; reniform black, edged laterally with white, having a black spot above it; this line is followed by a broad band of green, leaving the terminal area very broadly pure white; in this area are two black spots, one below vein 2 and one on vein 5; fringes white, with prominent internervular black spots. Secondaries pure white, with fringes spotted as the primaries and some black scales on the abdominal fold.

♀. Like the male, with the addition in the secondaries that there is a postmedian grey line beyond which the area is more or less grey, decidedly grey at the apex.

Expanse, ♂ 58, ♀ 66 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet; November (*Ansorge*).

Types in my collection.

Allied to *A. schausi*, Holl., but the median area is not black and the shape of the lines differs also.

## TRISULANA, gen. nov.

Palpi thinly scaled, short, porrect, not reaching to half the frons; proboscis developed; antennæ broadly bipectinate for two-thirds in male, fasciculate in female; legs moderately hairy. Eyes smooth; thorax smoothly hairy; abdomen with a proximal tuft. Wings: primaries long, narrow. Secondaries small, subovate. Neuration: primaries as in *Auchenisa*; secondaries with veins 3 and 4 from the angle, 5 from well above the angle, 6 and 7 stalked, 8 anastomosing with the cell quite shortly.

Type, *Trisulana senex*, B-B.

*Trisulana senex*, sp. n.

♂ ♀. Head and thorax greyish, abdomen yellowish grey. Primaries yellowish grey, with a  $\Lambda$ -shaped black mark before the middle of the inner margin, from the apex of which ascends the blackish median line; reniform outlined in black, beyond which to the postmedian line the ground is much suffused with dark grey scales; postmedian line blackish, very irregular and dentate; termen spotted with black. Secondaries whitish at the base, grey in the outer area.

Expanse 46 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet; August and January (*Ansorge*).

Type in my collection.

## AMBLYPRORA, gen. nov.

Palpi upturned, scaled, second segment reaching nearly to the vertex, end segment long; antennæ almost simple, the cilia being most minute; head scaled, with long hairs between the eyes, bent forwards; thorax densely hairy, hairs long but not tufted; abdomen with dorsal tufts on the five proximal segments. Legs densely haired, tarsi with long spines. Wings: primaries very broad, costa slightly excised, apex rounded and very slightly depressed, termen boldly excurved: secondaries fairly ample, with termen well excurved. Neuration: primaries similar to that of *Auchenisa*, Holl.; secondaries with veins 3 and 4 from the angle, 5 from well above the angle, 6 and 7 from the upper angle, 8 anastomosing very shortly with the cell.

Type, *Amblyprora acholi*, B-B.

I described this species under the name *Catephia acholi* (*Ann. & Mag. Nat. Hist. ser. 7, vol. xviii. p. 344, 1906*).

It is not, however, a *Catephia*, and it becomes necessary to make a genus for it.

OSTACRONYCTA, gen. nov.

Palpi smoothly scaled, upturned, second segment reaching halfway up the frons, third segment long; antennæ in female simple, vertex slightly crested; metathorax with a central tuft; proboscis fully developed. Legs: fore with long fringes of hair; mid femora fringed with long hair, tibiæ scaled with short hairs; hind femora fringed with long hair, tibiæ with a brush-like pencil of hairs from the middle to the tarsal joint. Neuration: primaries with vein 3 from before, 4 from the angle, 5 from well above the angle, 6 from the upper angle; 7, 8, 9, and 10 stalked, 8 being given off from 9 close to the apex, which has a bar from 10 to form the areole; 11 from the cell; veins 7 to 11 are closely appressed together under the costa. Secondaries with cell quite short, with 3 and 4 from the angle, 2 and 5 from close to the angle, 6 and 7 from the angle, 8 bent down to the cell and anastomosing very shortly.

Type, *Ostacronycta glaucopasta*, B-B.

*Ostacronycta glaucopasta*, sp. n.

♀. Palpi with the base of the second and third segments black, tips white; frons white; vertex pale greenish; collar glaucous; thorax pale greenish, with a few brown scales. Primaries grey, with pale green patches and black lines, giving a pleasing glaucous appearance, the grey scales being superimposed over the green; base pale greenish, with blackish dots; antemedian area dark grey, edged externally by a blackish line twice angled sharply; median area greenish, postmedian area grey, in the middle of which is the fine, very irregular, acutely angled, and serrate black postmedian line; a pale green costal patch extends through this; terminal area greenish, with termen finely black, very deeply and definitely crenulate; a longish black dash just above the tornus from the termen to the postmedian line. Secondaries pure white, with the termen narrowly grey, which colour extends finely along the veins for a short distance.

Expanse 42 mm.

Hab. Nairobi (Jackson).

Type in my collection.

*Acantholipes tandoana*, sp. n.

♂. Head and thorax dove-grey, abdomen paler. Both

wings dove-grey. Primaries very finely and sparsely irrorated with darker grey fine scales; a small dark chocolate-brown dash closes the cell, beyond which is the darkly irrorated grey postmedian line; subterminal line scalloped, with dark points and a tawny outer edging; termen with dark internervular points. Secondaries with traces of two median transverse grey lines, the postmedian line being more distinct; termen with dark internervular points.

Expanse 26 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet; November (*An-sorge*).

Type in my collection.

*Parathermes acutissima*, sp. n.

♂. Head, thorax, and abdomen ashy grey. Both wings brown ash-grey. Primaries with a very oblique fine line running from a third from the base of the inner margin round the cell and back to about the middle of the costa; beyond this is the tawny oblique postmedian line, also receding basewards just below the costa; neither of the lines form an angle, only a deep curve; a trace of an irregular subterminal grey line, followed by a series of dark points. Secondaries with an oblique tawny antemedian line, a curved median line, and a series of dark subterminal points.

Expanse 34 mm.

*Hab.* Malange, Portuguese W. Africa; November.

Type in my collection.

*DELTOIDINÆ.*

*PARASIOPSIS*, gen. nov.

Palpi upturned, heavily scaled, with second segment not reaching up to the vertex, third segment short; antennæ fasciculate, with a single fine cilium at each segment. Head with collar produced forward into a large prominent crest. Legs densely hairy, mid pair with a short tibial brush, hind with a long heavy tibial brush. Wings: primaries of moderate width, costa straight, slightly depressed at apex, termen evenly rounded. Neuration: primaries with vein 3 from well before the angle, 4 and 5 from the angle, 6 from below the upper angle; 7, 8, and 9 stalked; 10 and 11 from the cell. Secondaries with 3 and 4 stalked, 5 from below the middle of the cell, 6 and 7 very shortly stalked, 8 anastomosing with the cell for a third.

Type, *Parasiopsis arcuata*, B-B.

*Parasiopsis arcuata*, sp. n.

♂. Head, thorax, and abdomen brown. Primaries brown, tinged with chocolate-colour; a small dark spot at the end of the cell, palely edged; subterminal line pale, irregular, deeply incurved towards the cell, then rapidly advancing, and terminating in a dark spot in the tornus; termen palely dotted. Secondaries brownish grey.

Expanse 32 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet; October (*Ausorge*).

Type in my collection.

*Nodaria melanopa*, sp. n.

♂. Antennæ, head, and thorax dark brown; abdomen greyish brown. Primaries blackish brown, with the cell and beyond it darker than the rest of the wing; orbicular and reniform just visible as darker spots; a series of very fine white points well before the termen; termen darkly pointed. Secondaries greyish brown.

Expanse 26 mm.

*Hab.* Malange, Portuguese W. Africa.

Type in my collection.

*Nodaria parallela*, sp. n.

♂. Head, thorax, and abdomen pale brown. Both wings pale brown. Primaries with the fine dark brown median line finely edged with cream-colour and parallel with an exactly similar postmedian line, both being slightly curved. Termen finely cream-colour, with a fine darker internal edging. Secondaries paler at the base than the outer portion of the wing.

Expanse 20 mm.

*Hab.* Malange, Portuguese W. Africa.

Type in my collection.

*Nagadeba treiregeroma*, sp. n.

♀. Head, thorax, and abdomen tawny ochreous. Both wings tawny ochreous with darker lines. Primaries with an antemedian irregular line, followed by an irregular median line excurved round the end of the cell; postmedian line equally irregular, almost crenulate and dentate, beyond which the ground-colour is grey; a subterminal series of very dark dots in a tawny band; termen finely dark, the



orbicular and reniform stigmata are represented by one and two diaphanous spots respectively. Secondaries with a similar series of markings omitting the antemedian line, a diaphanous spot in the cell.

Expanse 30 mm.

*Hab.* Nairobi (*Jackson*).

Type in my collection.

*Sarmatia albolineata*, sp. n.

♀. Head, thorax, and abdomen dull brown. Primaries dull brown with a dark dot at the end of the cell; postmedian line white, erect, narrow, followed by a broader line of creamy brown, following which the ground-colour is darker to the deeply angled (twice) subterminal line, which has two white points just below the costa; a broad internervular short terminal dash between veins 3 and 4. Secondaries uniform greyish brown.

Expanse 34 mm.

*Hab.* N'Dalla Tando, Angola; January (*Ansorge*).

Type in my collection.

*Catada n'dalla*, sp. n.

♂. Palpi brown mixed with white scales. Head, thorax, and abdomen darkish brown. Primaries brown, slightly chocolate in tone up to the postmedian line, which is only marked by a small curved white dash below the costa and by the ground-colour being slightly paler beyond it. The whole of the wing has a rough irrorated appearance. Secondaries uniform dark greyish brown.

♀. With the postmedian line sharply defined white, before which the ground-colour is dark chocolate-brown, and after which it is ochreous brown darkly irrorated.

Expanse, ♂ 24, ♀ 27 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet; November, December (*Ansorge*).

Types in my collection.

*Catada icelomorpha*, sp. n.

♂. Palpi, head, thorax, and abdomen brown. Primaries with base dark brown, edged by a darker brown irregular line, median area pinkish brown darkening near the postmedian line which is dark and oblique, the median area is slightly ornamented with very fine short darker vertical dashes; postmedian and terminal areas quite dark with a

slight admixture of ochreous scales. Secondaries greyish brown.

Expanse 24 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet; November (*Ansorge*).

Type in my collection.

*Herminia zammodia*, sp. n.

♂. Head and thorax ochreous, abdomen greyish. Both wings ochreous with grey irroration and markings, the grey scales covering largely both wings. Primaries with only one line, viz., the postmedian, which is fine, grey, crenulate, and produced outwards in the radial area; termen with black dots. Secondaries with only one line, viz., the postmedian, which is like the same line in the primaries; termen with fine black internervular dashes.

♀. Like the male but paler, and the grey irroration much finer.

Expanse, ♂ 28, ♀ 31 mm.

*Hab.* N'Dalla Tando, Angola, 2700 feet; November and December (*Ansorge*).

Types in my collection.

*Rhynchina paliscia*, sp. n.

♂. Palpi, head, thorax, and abdomen dirty brown, both wings sooty brown with a trace of an antemedian dark line, and somewhat more of a trace of a pale angled postmedian line. Termen with internervular dark dashes.

Expanse 27 mm.

*Hab.* Lokoja District (100 miles north).

Type in my collection.

*Hypena reticulata*, sp. n.

♂. Head, thorax, and abdomen dark brown. Both wings dark brown; primaries very finely reticulated all over with darker brown; cell with two blackish points. Secondaries sooty brown.

Expanse 36 mm.

*Hab.* Kilimanjaro; February. Nairobi; April (*Jackson*).

Type in my collection.

*Deinypena triangularis*, sp. n.

♂. Head and thorax dark brown. Primaries dark chocolate-brown, with a short subbasal black lunule on the

fold; postmedian line dark, shortly oblique on the costa and inner margin, wavy, but nearly erect between these two points, greyer beyond this line, a subtriangular irregular very dark chocolate patch on the costa in front of the apex, opposite which the termen is darkly clouded; termen palely edged with an outer margin of very dark internervular dashes. Secondaries dark brown with a trace of a short postmedian line; termen finely pale with internervular dark dashes.

Expanse 40 mm.

*Hab.* Lokoja District (100 miles north).

Type in my collection.

*Heterogramma stenoptera*, sp. n.

♂. Head, thorax, and abdomen greyish brown. Primaries brownish grey, with an antemedian angled dark line, postmedian line dark angled once at the cell (as the previous line) with a dark point at the angle, a trace of a series of dark subterminal points; termen with fine dark internervular dashes. Secondaries brownish grey.

Expanse 20 mm.

*Hab.* Malange, Portuguese W. Africa.

Type in my collection.

*Naarda unipunctata*, sp. n.

♂. Head, thorax, and both wings sooty black, with a small deep cream spot at reniform stigma followed by a darker wavy line.

Expanse 14 mm.

*Hab.* Lokoja District (100 miles north).

Type in my collection.

*Dichromia isosocles*, sp. n.

♂. Head, thorax, and abdomen brown. Primaries dark brown for the basal third, beyond which is a broad deep cream isosceles triangle with the outer margin continuous into the apex, this mark occupies most of the outer area of the wing, the whole space being filled in with cream-colour, except a small dark triangle below the costa; there is also a very dark costal subapical triangle; termen broadly brown, with a white spot below the apex adjoining the cream stripe running into the apex. Secondaries dark grey-brown, with a short tawny creamy dash from the anal angle.

Expanse 32 mm.

*Hab.* Malange, Portuguese W. Africa.

Type in my collection.

### Thyrididæ.

#### *Dysodia hyalotypa*, sp. n.

♂. Primaries ochreous grey, mixed with red on the fold, beyond the cell a fiery-red square spot divided into four small squares by grey lines; below this on the fold an obscure ochreous patch. Secondaries with base metallic crimson, mixed with fine dark cross-lines; a dark brown patch at anal angle, above which is a large central almost reniform hyaline patch, darkly edged all round, followed by several ochreous spots, the lowest being large, the two above it smaller; termen broadly dark reddish brown.

Expanse 20 mm.

*Hab.* Gurnal, Portuguese W. Africa; December.

Type in my collection.

#### *Iridesmiodes cymæsticha*, sp. n.

♂. Head reddish, thorax and abdomen pearly white. Both wings pearly white, with a series of about seven fine lilac-grey wavy lines right across each wing. Primaries with the costa reddish for the basal three-quarters.

Expanse 30 mm.

*Hab.* Lokoja District (100 miles north).

Type in my collection.

Near *ansorgei*, Warren.

#### *Iridesmiodes phricosticha*, sp. n.

♀. Head and collar reddish, thorax and abdomen pearly white. Both wings translucent pearly white, with a series of wavy greyish-ochreous lines. Primaries with the postmedian line accentuated, the orbicular rather marked; the sub-terminal line accentuated, double, and filled in with bright pink in both wings, these are followed by a marked dark series of internervular dashes, beginning in the primaries in two subapical dots. Costa of primaries reddish.

Expanse 32 mm.

*Hab.* Lokoja District (100 miles north).

Type in my collection.

*Rhodoneura palairanta*, sp. n.

♂. Head and thorax tawny red. Both wings creamy whitish, entirely sprinkled all over with lines and minute reticulations of bright tawny red. Primaries with reticulations so close that the ground-colour is only visible slightly in the median area; the postmedial oblique line is the only prominent one. Costa and termen dark red. Secondaries with the reticulations less numerous, making the ground-colour more visible.

Expanse 30 mm.

*Hab.* Lokoja District (100 miles north).

Type in my collection.

LXII.—*Descriptions of new Species of Lepidoptera from New Guinea.* By G. T. BETHUNE-BAKER, F.L.S., F.Z.S.

MY measurements, as usual, have been taken by doubling the distance from the centre of the thorax to the apex of the wing.

## RHOPALOCERA.

## LYCÆNINÆ.

*Nacaduba metriodes*, sp. n.

♂. Both wings dull violet-blue with fine dark termen, on the secondaries expanding at the anal angle by the tail rather broadly. Underside: both wings dirty grey, with spots and bars palely edged. Primaries with an antemedian bar in the cell and extending just below it, a similar one closing the cell extending to the costa, a waved series of six postmedian confluent spots, a terminal series of lunules. Secondaries with a series of three basal spots, each extending slightly beyond (outwards) the other; a bar closing the cell, with one above it shifted inwards; a curved series of eight postmedian confluent spots, the second spot shifted right out, third and fourth confluent slightly out, fifth, sixth, and seventh each slightly inwards, eighth right inwards; a series of terminal lunules, that at the tail being black edged with red above.

Expanse 28 mm.